

PAT-NO: JP360028759A

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TITLE: BRUSHLESS MOTOR

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INVENTOR-INFORMATION:

NAME

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ASSIGNEE-INFORMATION:

NAME

COUNTRY

CANON ELECTRONICS INC

N/A

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ABSTRACT:

PURPOSE: To improve the efficiency of a brushless motor by forming a stator **yoke by laminating magnetic materials through insulating** layers to reduce leakage magnetic flux to the back side of a stator with a simple and inexpensive construction, thereby reducing eddy current loss.

CONSTITUTION: A stator yoke 3 is composed by interposing an insulating plate 10 made of a polyimide film or the like between stator yoke plates 3A and 3B made of a thin plate such as permalloy or silicon steel plate of upside and downside. A rotor 1 is secured to a shaft via screws 8. A magnet 2 which is formed of a permanent magnet and multipolarized is secured to the lower surface of the rotor 1 of disc shape. A coil 4 is mounted at the position opposed to the magnet 2 of the upper surface of the stator yoke 3.

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